

CONFIDENTIAL ~~CONFIDENTIAL~~

REPORT

CD NO.

FOREIGN DOCUMENTS OR RADIO BROADCASTS

TIGER

DATE OF _____

INFORMATION

1949

Economic - Coal industry

HOW

DATE DIST.

Nov 1949

PUBLISHED

Monthly periodical

WHERE

NO. OF PAGES

2

PUBLISHED

MOSCOW

DATE _____

SUPPLEMENT TO

PUBLISHED

Jul 1949

LANGUAGE

Russien

REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF ESPIONAGE ACT 50 U.S.C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Mekhanizatsiya Trudovykh i Tyazhelykh Rabot, No 7, 1949.

MACHINES RAISE MINE OUTPUT

In Mine No 7, "Skuratovgo" Trust, Tulungoi Combine, the universal VTU-1 cutting machine was used in cutting twin drifts, along with the C-153 coal-loading machine. Experiments with these machines resulted in much more rapid cutting than by ordinary methods.

The drifts, 8-10 meters wide, are connected by crosscuts set at 60-degree angles. The diagonal crosscuts permit passage of the machines from one drift to another; perpendicular crosscuts would not allow this.

Between some drifts, narrow diagonal crosscuts are cut in addition to the diagonal ones. RTU-30 scraper conveyers are run through them, eliminating hand hauling through the diagonals and leaving them free for passage of loading and cutting machines.

For the drifts with only the first type of diagonal crosscuts, the monthly penetration was 176 linear meters, while for the drifts connected by both types of crosscuts, the monthly penetration was 245 linear meters.

The productivity of the cutter operators amounted to 0.73 and 0.627 meters per shift.

The UMP-1 rock-loading machine, working in the mines of the Rostovugol' Combine, has attained a monthly rate of penetration of 77 linear meters in a drift of the Mine imeni Artem, Shakhtantrastit Trust, 52 linear meters in a drift of Mine No 46 on the same trust, and 60 linear meters in an unloading drift of Mine No 3, Gukovugol' Trust.

The machine loads the waste-rock (slate at the top, sandstone at the bottom) directly, filling a car of 0.7-0.8 cubic meters' capacity in 2.5-3.0 minutes, amounting to 16-20 cubic meters per hour. A daily rate of removal of 3.5-4.0 linear meters per day has been reached. The machine handles 80-90 percent of the waste rock.

- 1 -

CONFIDENTIAL

CONFIDENTIAL

STATE	NAVY	NSRB	DISTRIBUTION
ARMY	AIR	FBI	

50X1-HUM

CONFIDENTIAL

CONFIDENTIAL

An EBM-1 loading machine, working a drift of the Mine imeni Petrovskiy, Shakhtratsit Trust, handled a penetration of 62 linear meters in one month.

In an 8-9-cubic-meter drift of the Zapadnaya Kapital'naya Mine, Nesvetayantsit Trust, a C-153 coal loader handled about 82 meters of mining per month, the maximum penetration being 3.5-4.5 meters per day.

With the aid of the above machines the Rostovugol' Combine has increased the speed of cutting in old workings 40-50 percent. The productivity of the drillers and cutters increased 35-40 percent, and in some mines, 100-200 percent.

During 10 months of 1948, C-153 machines were used in mines of the Chel-yabinskugol' Combine in clearing 3,540 meters in old workings, and in loading cars and conveyers with 53,000 meters of coal. They effected a 14.7-percent mechanization of loading in the main old workings of the combine.

In Mine No 8, Tulaugol' Combine, three VOM-2 combines handled 50.8 percent of the extraction in new workings during April and 49.7 percent during May 1949.

In cutting the drifts, six C-153 machines and one PK-2 combine were used. In March, 63 percent of the drift cutting was carried out mechanically. The PK-2 completed 78 linear meters of removal in January, 100 in February, and 128 in April.

Labor productivity [per shift] for each man in the cutting brigades amounted to 0.55 to 0.60 linear meters with the use of the C-153, 0.77-1.25 meters with the use of the PK-2, and 0.35-0.40 by manual methods.

The new KPK-3 metal support was tried out in one of the coal beds. It reduced timber consumption 20-25 percent, and greatly reduced labor. It will soon be used in conjunction with the VOM-2.

Mechanization in the mine increased average daily coal mining for May 25.5 percent, as compared to the last quarter of 1948, while labor productivity went up 15 percent.

In four coal beds of Mine 44/45, Karagandaugol' Combine, Makarova combines accounted for 80 percent of the coal mining by the end of March, as against 37.2 percent for 1948.

The 1948 production plan was met 104 percent, and the cost of production was only 94.5 percent of the plan.

The use of shunting winches at loading points has saved about 200,000 rubles per year.

Coal production has grown 11 percent over 1948. Labor productivity in the drift increased 24.4 percent in January and 35.5 percent in February, over corresponding months in 1948. Production costs in February, which were only 97.5 percent of the plan, saved the mine 47,000 rubles.

Mechanical methods assure a penetration through the rock and coal of old workings of 80-100 meters per month.

In Mine No 27, Stalinugol' Combine, each of two Dombass combines mined 9,952 meters of coal in February, 13,858 in March, and 13,934 in April 1949. Coal removal from drifts was 33.5 percent mechanized by April, and in the same month loading in the old drifts had been 75 percent mechanized.

- E N D -

- 2 -

CONFIDENTIAL

CONFIDENTIAL